

**Amendments to the Claims:**

JC17 Rec'd PCT/PTO 28 JUN 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

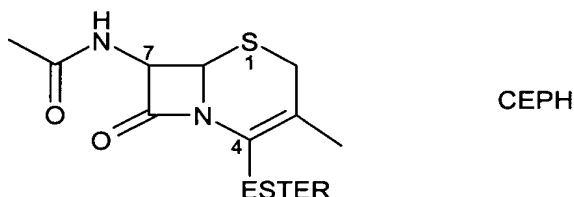
Claim 1. (original): A pharmaceutically active compound having a carboxylic acid group -COOH as a part of its chemical structure which -COOH group is in the form of a carboxylic acid ester and which carboxylic acid ester is selected from the group consisting of

- 1-(2,3-disubstituted 1-propoxycarbonyloxy)-ethyl carboxylic acid ester, wherein the substituents are selected from the group consisting of hydroxy and (C<sub>1-22</sub>)alkylcarbonyloxy,
- 1-(1,3-disubstituted 2-propoxycarbonyloxy)-ethyl carboxylic acid ester, wherein the substituents are selected from the group consisting of hydroxy and (C<sub>1-22</sub>)alkylcarbonyloxy,
- 1-(9H-fluorene-9-yl-(C<sub>1-4</sub>)alkanyloxycarbonyloxy)-ethyl carboxylic acid ester,
- 1-(decahydro-naphthalene-2-yl-oxycarbonyloxy)-ethyl carboxylic acid ester and
- 1-(2-amino(C<sub>1-6</sub>)alkoxycarbonyloxy)-ethyl carboxylic acid ester,

with the proviso that, if the pharmaceutically active compound is a penicillin, then, 1-(2-amino(C<sub>1-4</sub>)alkoxycarbonyloxy)-ethyl carboxylic acid esters are excluded.

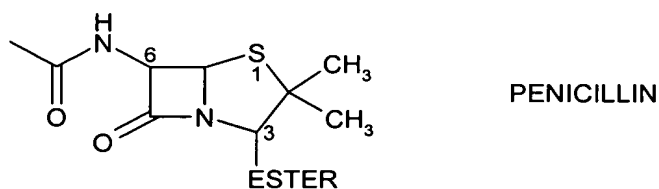
Claim 2. (currently amended): A compound of claim 1, wherein the pharmaceutically active compound is a  $\beta$ -lactam antibiotic ~~with the proviso of claim 1.~~

Claim 3. (currently amended): A compound of claim 1, wherein the pharmaceutically active compound is a cephalosporin, ~~e.g. comprising the basic structural elements as set out in~~ having the formula



wherein ESTER is a carboxylic acid ester as defined in claim 1.

Claim 4. (currently amended): A compound of ~~any one of claims 1 or 2,~~ wherein the pharmaceutically active compound is a penicillin, ~~e.g. comprising the basic structural elements as set out in~~ having the formula



and ESTER is a carboxylic acid ester as defined in claim 1, ~~with the proviso of claim 1.~~

Claim 5. (currently amended): A compound of ~~any one of claims 1 to 4,~~ wherein the –COOH group is in the form of an ester selected from the group consisting of

- 1-(2,3,-dihydroxy-1-propoxycarbonyloxy)-ethyl-oxy-carbonyl,
- 1-(2,3-diacetoxy-1-propoxycarbonyloxy)-ethyl-oxy-carbonyl,
- 1-(1,3-diacetoxy-2-propoxycarbonyloxy)-ethyl-oxy-carbonyl,
- 1-(2-octanoyloxy-3-acetoxy-1-propoxycarbonyloxy)-ethyl-oxy-carbonyl,
- 1-(2-acetoxy-3-octanoyloxy-1-propoxycarbonyloxy)-ethyl-oxy-carbonyl,
- 1-(9H-fluorene-9-yl-methoxycarbonyloxy)-ethyl-oxy-carbonyl,
- 1-(9H-fluorene-9-yl-ethoxycarbonyloxy)-ethyl-oxy-carbonyl,
- 1-(decahydro-naphthalene-2-yl-oxycarbonyloxy)-ethyl-oxy-carbonyl and
- 1-(2-amino-ethoxycarbonyloxy)-ethyl-oxy-carbonyl, with the proviso of claim 1.

Claim 6. (original): A compound of claim 3, wherein the cephalosporin of formula CEPH is selected from the group consisting of

- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[[3-ethyl-2-(methylimino)-imidazolidin-1-yl]-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(carbamimidoyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(1,4,5,6,-tetrahydropyrimidin-2-yl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-{methyl-[N-(4-amino-cyclohexyl)-carbamimidoyl]-hydrazonomethyl}-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(2-dimethylamino-4,5-dihydro-imidazol-1-yl-imino)-methyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
- 3-Carbamoyloxymethyl-7-{2-furan-2-yl-[(Z)-methoxyimino]-acetylamino}-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid, and
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(3-ethyl-2-(methylimino)-imidazol-1-yl-imino)-methyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

Claim 7. (currently amended): A compound of ~~any one~~ claims 1 ~~to~~ 3 selected from the group consisting of

- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-diacetoxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(1,3-diacetoxy-2-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2-octanoyl-3-acetoxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2-acetoxy-3-octanoyl-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2-aminoethoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(decahydro-naphthalen-2-yl-oxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2-aminoethoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(decahydro-naphthalen-2-yl-oxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(9H-fluoren-9-yl-methoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-[(1-(9H-fluoren-9-yl)-ethoxycarbonyloxy)-ethyl ester,

- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[[[3-ethyl-2-(methylimino)-imidazolidin-1-yl]-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(9H-fluoren-9-yl-methoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[carbamimidoyl]-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(9H-fluoren-9-yl-methoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(1,4,5,6,-tetrahydropyrimidin-2-yl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(9H-fluoren-9-yl-methoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-{methyl-[N-(4-amino-cyclohexyl)-carbamimidoyl]-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(9H-fluoren-9-yl-methoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(2-dimethylamino-4,5-dihydro-imidazol-1-yl-imino)-methyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(carbamimidoyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(1,4,5,6,-tetrahydropyrimidin-2-yl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[(2-dimethylamino-4,5-dihydro-imidazol-1-yl-imino)-methyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[methyl-(imino-piperazin-1-yl-methyl)-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-[[3-ethyl-2-(methylimino)-imidazolidin-1-yl]-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 7-{2-(5-Amino-[1,2,4]thiadiazol-3-yl)-2-(fluoromethoxyimino)-acetylamino}-3-{methyl-[N-(4-amino-cyclohexyl)-carbamimidoyl]-hydrazonomethyl]-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,
- 3-Carbamoyloxymethyl-7-{2-furan-2-yl-[(Z)-methoxyimino]-acetylamino}-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(9H-fluoren-9-yl-methoxycarbonyloxy)-ethyl ester, and
- 3-Carbamoyloxymethyl-7-{2-furan-2-yl-[(Z)-methoxyimino]-acetylamino}-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid 1-(2,3-dihydroxy-1-propoxycarbonyloxy)-ethyl ester,

Claim 8. (currently amended): A compound of ~~any one of~~ claims 1 ~~to~~ 7 in the form of a salt.

Claim 9. (currently amended): A pharmaceutical composition comprising a compound of ~~any one of~~ claims 1 ~~to~~ 8 for use as a pharmaceutical.

Claim 10. (currently amended): A method for treating a microbial disease comprising administering to a subject in need thereof a compound of ~~any one of~~ claims 1 ~~to~~ 8 for the ~~preparation of a medicament for the treatment of microbial diseases.~~

Claim 11. (currently amended): A pharmaceutical composition comprising a compound of ~~any one of~~ claims 1 ~~to~~ 8 in association with and at least one pharmaceutical excipient.

Claim 12. (currently amended): A pharmaceutical composition comprising a compound of ~~any one of~~ claims 1 ~~to~~ 8 together with and another pharmaceutically active compound.

Claim 13. (canceled).

Claim 14. (currently amended): A method for treatment of microbial diseases in a subject in need of such treatment, which method comprises administering to said subject an effective amount of a compound of ~~any one of~~ claims 1 ~~to~~ 8 or a pharmaceutical composition of ~~any one of~~ claims ~~12 or~~ 13.

Claim 15. (currently amended): ~~A pharmaceutical combination for use in a method for treatment of claim 15, comprising at least one compound of any one of claims 1 to 8 to be used~~  
A method for treating a microbial disease comprising administering to a subject in need thereof  
a compound of claim 1 concomitantly or in sequence with at least one immunosuppressant, immunomodulatory or anti-inflammatory active agent.